

Regional HIV/AIDS Epidemiologic Profile of Southeast Health Service Region, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Southeast Health Service Region, Massachusetts

	N	%
People Living with HIV/AIDS	2,351	57%
People Reported with HIV or AIDS who are Deceased	1,754	43%
Total Number of People Reported with HIV Infection or AIDS	4,105	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Southeast Health Service Region, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Southeast Health Service Region, MA	9 per 100,000	114
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Southeast Health Service Region, MA	190 per 100,000	2,351
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Southeast Health Service Region, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,754	64	195
2000	1,877	56	179
2001	1,975	69	167
2002	2,050	71	146
2003	2,098	69	117
2004	2,177	50	129
2005	2,226	56	105
2006	2,292	42	108

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Southeast Health Service Region, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	255	75%	1,669	71%
Female	87	25%	682	29%
Place of Birth:	N	%	N	%
US	247	72%	1,852	79%
Puerto Rico/US Dependency ²	19	6%	154	7%
Non-US	76	22%	345	15%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	192	56%	1,502	64%
Black (non-Hispanic)	89	26%	479	20%
Hispanic	55	16%	338	14%
Other/Undetermined ³	6	2%	32	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	146	43%	872	37%
Injection Drug Use (IDU)	41	12%	605	26%
MSM/IDU	5	1%	70	3%
Heterosexual Sex	32	9%	352	15%
Other	3	1%	58	2%
Total Undetermined	115	34%	394	17%
• Presumed Heterosexual Sex ⁴	66	19%	264	11%
• Undetermined ⁵	49	14%	130	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	3	1%	11	<1%
13 to 19	7	2%	28	1%
20 to 24	16	5%	26	1%
25 to 29	33	10%	68	3%
30 to 34	48	14%	120	5%
35 to 39	58	17%	272	12%
40 to 44	61	18%	504	21%
45 to 49	57	17%	536	23%
50 to 54	31	9%	414	18%
55 to 59	15	4%	190	8%
60+	13	4%	182	8%
Total	342	100%	2,351	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Southeast Health Service Region, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	1,165	70%	337	49%
Black Non-Hispanic	273	16%	206	30%
Hispanic	213	13%	125	18%
Other/Undetermined ¹	18	1%	14	2%
Total	1,669	100%	682	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Southeast Health Service Region, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	872	52%	N/A	N/A
Injection drug use (IDU)	371	22%	234	34%
MSM/IDU	70	4%	N/A	N/A
Heterosexual sex	106	6%	246	36%
Other	38	2%	20	3%
Total Undetermined	212	13%	182	27%
• Presumed heterosexual sex ¹	124	7%	140	21%
• Undetermined ²	88	5%	42	6%
Total	1,669	100%	682	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Southeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	2,207	76%	689	24%	2,896
1999	144	74%	51	26%	195
2000	121	68%	58	32%	179
2001	111	66%	56	34%	167
2002	103	71%	43	29%	146
2003	84	72%	33	28%	117
2004	100	78%	29	22%	129
2005	81	77%	24	23%	105
2006 ²	74	69%	34	31%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Southeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	2,072	72%	479	17%	323	11%	22	1%	2,896
1999	126	65%	39	20%	26	13%	4	2%	195
2000	102	57%	49	27%	23	13%	5	3%	179
2001	102	61%	44	26%	20	12%	1	1%	167
2002	84	58%	32	22%	27	18%	3	2%	146
2003	75	64%	24	21%	13	11%	5	4%	117
2004	70	54%	30	23%	27	21%	2	2%	129
2005	64	61%	30	29%	10	10%	1	1%	105
2006 ³	58	54%	29	27%	18	17%	3	3%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Southeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	2,490	86%	174	6%	232	8%	2,896
1999	156	80%	13	7%	26	13%	195
2000	127	71%	9	5%	43	24%	179
2001	120	72%	9	5%	38	23%	167
2002	102	70%	16	11%	28	19%	146
2003	86	74%	7	6%	24	21%	117
2004	94	73%	12	9%	23	18%	129
2005	79	75%	4	4%	22	21%	105
2006 ³	74	69%	3	3%	31	29%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Southeast Health Service Region, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	1,087	38%	1,065	37%	118	4%	285	10%	127	4%	127	4%	87	3%	2,896
1999	74	38%	51	26%	4	2%	33	17%	0	0%	22	11%	11	6%	195
2000	59	33%	41	23%	3	2%	36	20%	3	2%	27	15%	10	6%	179
2001	47	28%	35	21%	8	5%	27	16%	2	1%	36	22%	12	7%	167
2002	53	36%	31	21%	5	3%	23	16%	1	1%	23	16%	10	7%	146
2003	43	37%	22	19%	4	3%	14	12%	1	1%	21	18%	12	10%	117
2004	54	42%	18	14%	2	2%	12	9%	3	2%	23	18%	17	13%	129
2005	45	43%	14	13%	3	3%	9	9%	0	0%	16	15%	18	17%	105
2006 ⁴	47	44%	9	8%	0	0%	11	10%	0	0%	27	25%	14	13%	108

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Southeast Health Service Region, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	56	195	29%
2000	46	179	26%
2001	55	167	33%
2002	52	146	36%
2003	33	117	28%
2004	42	129	33%
2005	30	105	29%
2006	39	108	36%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Southeast Health Service Region, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	86	255	34%
Female	25	87	29%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	63	192	33%
Black (non-Hispanic)	31	89	35%
Hispanic	16	55	29%
Other/Undetermined ²	1	6	17%
Place of Birth:	N	N	%
US	72	247	29%
Puerto Rico/US Dependencies ³	7	19	37%
Non-US	32	76	42%
Total	111	342	32%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08